

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D205-541

REF. CANADIAN STC: SH96-120

REF. FAA STC: SR00696NY

EASA STC: EASA.IM.R.S.O.1242

THE PURPOSE OF THE **DSI 9268-011** BASKET MODIFICATION KIT IS TO INCREASE THE VOLUME OF THE D205-541-043/-044 BASKETS. NOTE THAT D205-541-041 BASKETS MUST BE CONVERTED INTO D205-541-043/-044 PER DSI 9226 BEFORE PERFORMING THIS MODIFICATION.

## TO INSTALL THE DSI 9268-011 KIT:

- △ 1) FOR BASKETS WITH:
- A) PIANO HINGES: INSTALL THE DSI 9053-011 HINGE CHANGE KIT AND SEPARATE LID FROM BASE.  
**OR**
- B) DSI 9053-011 HINGE CHANGE KIT ALREADY INSTALLED: NO CHANGE IS REQUIRED. SEPARATE LID FROM BASE.  
**OR**
- C) HINGE PLATES WELDED TO LID & BASE: NO CHANGE IS REQUIRED. SEPARATE LID FROM BASE.
- 2) ATTACH LID TO D3230-041 BASKET WEDGE ASSEMBLY. MOVE D2332-041 PROP ASSEMBLY FROM BASKET BASE TO WEDGE ASSEMBLY PER FIGURE 1.
- 3) LOCATE D3230-041 BASKET WEDGE ASSEMBLY COMPLETE WITH BASKET LID ON THE EXISTING BASKET BASE. TEMPORARILY CLAMP IN PLACE AND CHECK FOR PROPER LATCHING OF THE EXISTING LID WITH THE WEDGE. ADJUST LOCATION OF WEDGE ASSEMBLY TO ENSURE PROPER LATCHING. SHIM AS REQUIRED TO ENSURE PROPER LATCHING.
- 4) TRANSFER LOCATION OF 1/4" ATTACHMENT HOLES FROM WEDGE TO EXISTING BASE.
- 5) REMOVE WEDGE AND DRILL Ø0.266" HOLES THROUGH THE EXISTING BASE. DEBURR HOLES.
- 6) INSTALL WEDGE USING AN4-17A BOLTS, AN960JD416 WASHERS, AND MS21042L4 NUTS PROVIDED (5 PLACES TOTAL). NOTE THAT THE BOLTS IN SOME LOCATIONS MAY HAVE TO BE INSTALLED WITH THE NUTS ON TOP BECAUSE OF CLEARANCE ISSUES.
- 7) ADJUST WEIGHT AND BALANCE AS FOLLOWS:

| INSTALLATION            | WEIGHT | LATERAL    |              | LONGITUDINAL |            |
|-------------------------|--------|------------|--------------|--------------|------------|
|                         |        | ARM        | MOMENT       | ARM          | MOMENT     |
| DSI 9268-011            | 20 lb  | ± 63.13 in | ± 1263 in-lb | 132.25 in    | 2645 in-lb |
| BASKET MODIFICATION KIT | 9 kg   | ± 1.60 m   | ± 14.4 m-kG  | 3.36 m       | 30 m-kG    |

## DSI 9268-011 KIT PARTS LIST:

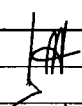
| QTY<br>-011 | P/N          | DESCRIPTION             |
|-------------|--------------|-------------------------|
| X           | DSI 9268-011 | BASKET MODIFICATION KIT |
| 1           | D3230-041    | BASKET WEDGE ASSEMBLY   |
| 1           | DSI 9053-011 | HINGE CHANGE KIT        |
| 5           | AN4-17A      | BOLT                    |
| 5           | AN960JD416   | WASHER                  |
| 5           | MS21042L4    | NUT                     |

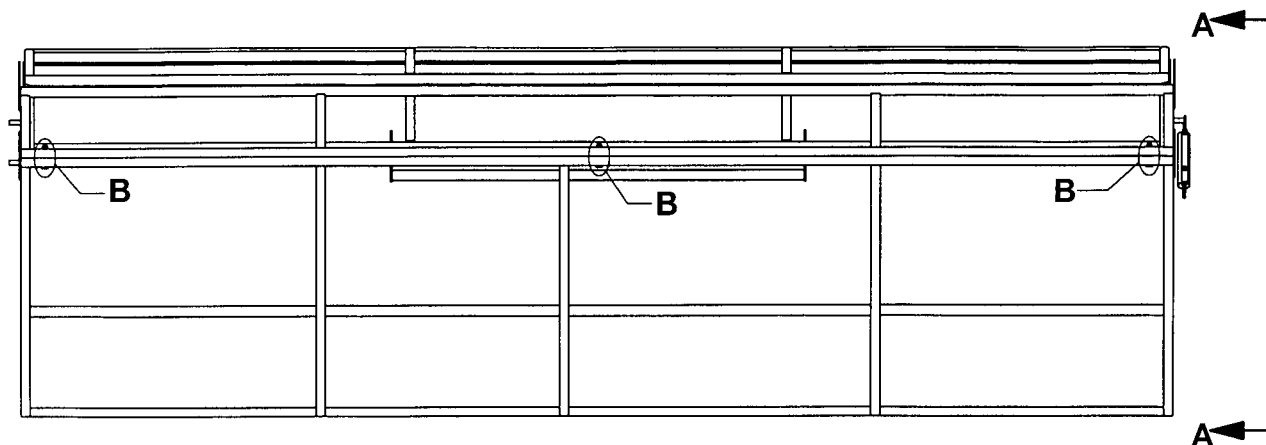
CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:   
D. SHEPHERD (DE # 02)

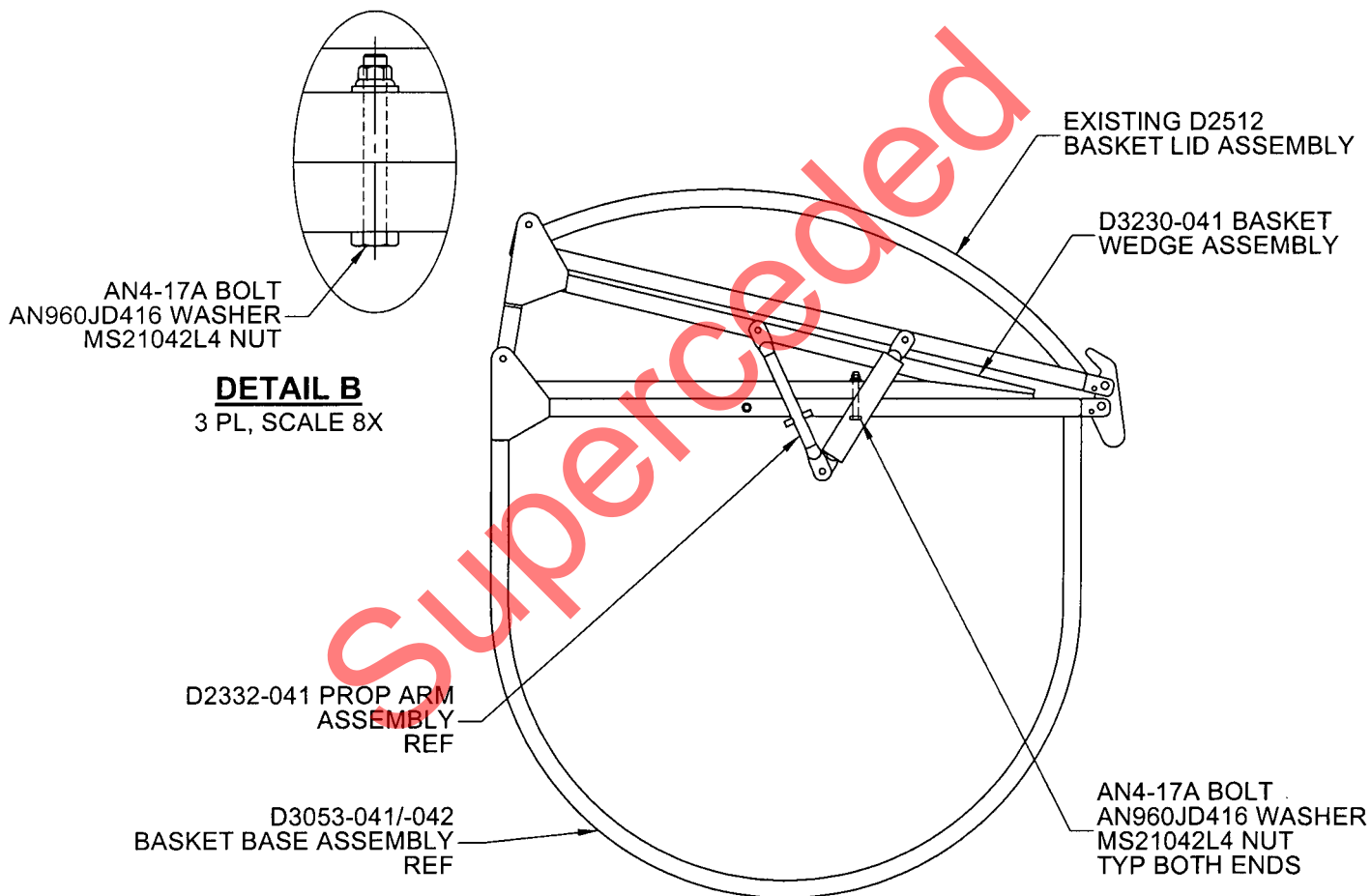
DATE: 09.02.02  
CERT. NO.: SH96-120  
ISSUE NO.: 3

|            |  |   |              |
|------------|--|---|--------------|
| C          | UPDATED TO CURRENT DWG STANDARDS; REVISED INSTALLATION STEP #1. CORRECTED TYPO (DSI 9053-011 WAS DSI 9052-011). REASON: REDESIGN OF D3230-041 (REF. NCR#09-010). | MB  | 09.02.02     |
| B          | CHANGE ORIENTATION OF WEDGE  | CP  | 03.11.19     |
| A          | NEW ISSUE  | CP  | 03.10.24     |
| REV.       | DESCRIPTION  | BY  | DATE         |
| DESIGN     |   | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA  |              |
| DRAWN      |   |   |              |
| CHECKED    |   | DRAWING NO.   | REV. C       |
| MFG. APPR. |   | DSI 9268  | SHEET 1 OF 2 |
| APPROVED   |   | TITLE   | SCALE        |
| DE APPR.   |  | BASKET MODIFICATION KIT   | NTS          |
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**FIGURE 1 - LOOKING OUTBOARD**

(MESH NOT SHOWN FOR CLARITY)



**VIEW A-A**

(MESH NOT SHOWN FOR CLARITY)

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-Q-01

APPROVED

BY:

D. SHEPHERD (DE # 02)

DATE: 09.02.02  
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DESIGN

DRAWN

CHECKED

MFG. APPR.

APPROVED

DE APPR.

DATE

09.02.02

**DART AEROSPACE LTD**

HAWKESBURY, ONTARIO, CANADA

DRAWING NO.

DSI 9268

TITLE

**BASKET MODIFICATION KIT**

REV. C

SHEET 2 OF 2

SCALE

NTS

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